

USEPA Advanced Asset Management Training Workshop

Agenda - Day ONE

Introductions

Background And Context

- The Changing Utility Industry
- The Emerging Utility Of Tomorrow

Introduction of Storyline, Overview Of Fundamental Concepts And Core Practices

- Introduction Of Storyline
- A Definition Of AAM
- The AAM Paradigm
- The Nine Building Blocks Of AAM
- Managing The Asset Base's "Potential To Fail"
- Payoffs And Benefits, Downsides

Storyline And Worksheets - Tom's Very Bad Day

Core Question 1: What Is The Current State Of My Assets?

- Building a "Process Layout" Schematic
- Creating The "Asset Hierarchy"
- Defining The "Data Standard"
- Initial Condition Analysis, Remaining Physical Life
- The Role of Expert Judgment – The "Delphi Group"
- Cost/Valuation/Asset Consumption
- Financial Disclosure From a GASB Perspective

Core Question 2: What Is My Required "Sustainable" Level Of Service (LOS)?

- What Is "LOS"? Why Do It?
- How It Works (Strategic Level Versus Operations Level)
- A "Balanced Scorecard" Approach

Core Question 3: Which Assets Are Critical To Sustained Performance?

- Understanding How My Assets Can Fail
- What The Likelihood Of Failure Is
- What The Consequences Are
- How To Measure Our Agency's "Business Risk Exposure"?

Discussion, Q & A And Feedback

Day TWO

Summary Of Day 1, Outline Of Day 2

Core Question 4: What Are My Best Minimum Life-Cycle-Cost CIP And O&M Strategies?

- What Alternative "Treatment" (Management) Options Are Feasible?
- Which Is The Best Strategy – "Optimal Renewal Decision Making"?

Core Question 4: O&M (Continued)

- Using AAM To Drive Operations And Maintenance
- Moving Systematically Into Reliability Centered And Condition-Based Maintenance

Core Question 4: CIP (Continued)

- Using AAM To Drive The CIP
- Strategic CIP Validation
- Balancing CIP And O&M Requirements
- The Strategic CIP Business Plan

Core Question 5: What Is My Best Long-Term Funding Strategy?

- So, Valuation Really Does Matter?
- Determining A Sustainable Renewal Funding Level
- Effectively Telling The Funding Story
- The "Whole Of Business" Perspective – Using AAM For Rate Setting & Budgeting
- Building Your First Asset Management Plan ("AMP") For The System

Focus Topic 1: Deploying An AAM Program

- The Three Fundamental Deployment Strategies
- "Gap Analysis" Benchmarking & Developing The AAM Improvement Program
- The Human Side
- The Political Side
- Implementation Work Plans – Lessons Learned

Focus Topic 2: Meeting The IT Challenge - Toward An Enterprise Asset Management System ("EAMS")

- Defining "Work Processes"
- Defining "System Functionality"
- Defining Data Needs And Data Flows
- Developing An EAMS Work Plan

Closing Summary, Questions, Comments, Discussion Of Basic Self-Audit, Evaluation

Lunch and stretch breaks as relevant